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MYRON GREENSPAN

Dated: February 14, 2003

Applicant hereby petitions that any and all extensions of the term necessary to render this response timely be granted. Costs for such extension(s) and or any other fee due with this paper, not fully covered by an enclosed check may be charged to Deposit Account #10-0100.

In re the U.S. Patent Application of

Inventor: Nosov et al. Examiner: Alexis A. Wachtel

Serial No.: 09/509,256 Art Unit: 1771

Filing Date: March 22, 2000 Docket No.: P-001 ERM

For: X-Ray Absorbing Material and Variants

Director of Patents, U.S. Patent Office
Washington, D.C. 20231

AMENDMENT

SIR:

This Amendment is in response to the non-final Office Action of March 14, 2002, and is being submitted concurrently with a Petition for Reinstatement. Please amend the above captioned patent application as follows.

IN THE ABSTRACT OF THE DISCLOSURE:

Please add the following Abstract of the Disclosure, which is taken in its entirety from the English Abstract given on the first page of PCT Publication WO 99/17303 published April 8, 1999, in the prior PCT application PCT/RU98/00301. No new matter

has been added to this application. However, some editing has been done for idiomatic English style and grammar. The edits are marked in the copy of the Abstract that appears as Attachment 1 at the end of this Amendment.

ABSTRACT OF THE DISCLOSURE

AI The present invention relates to an X-ray absorbing material that can be used in medicine as well as in the manufacture of special protective clothing, protective screens, housings, protective coatings and isolation materials. In a first embodiment, the material uses as a filler a poly-dispersed mixture, segregated by kneading and containing metallic particles having a size between 10^{-9} and 10^{-3} m, wherein the particles are bonded to the surface of a textile base. The density of the material is defined by the relation $q_N = (0.01 - 0.020) q_P$, where q_N is filler. In a second embodiment, the invention uses as a filler the above mixture, although here the particles are surrounded by the volume of a matrix made of a compound that solidifies under atmospheric pressure. The total mass of the poly-dispersed and segregated mixture is defined by the relation $M = (0.05 - 0.5)m$, where M is the total mass of the X-ray absorbing poly-dispersed and segregated filler, while m is the equivalent mass of the filler material that is equal in protective properties to the mass M . In a third embodiment, the invention uses as a filler the above mixture with the particles bonded to an intermediate substrate consisting of a textile base and surrounded by the volume of a matrix.